Approved for use through 07/31/2006, OMB 0651-0032
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the I	Paperwork Reduct	ion Act of 1995, no persons are required to re	espond to a o	ollection of informa	tion unless it	displays a valid	d OMB control number.	
	U.	TILITY	Attorney	Docket No.	2002-2730			
PATENT APPLICATION			1 1 1101 1111011101		Vijay Varadan			
TRANSMITTAL			Title				oiled Carbon	
	1100	IOWIT IT IL	Title				hemical:Wapo	•
(Only for i	new nonprovisiona	l applications under 37 CFR 1.53(b))	Express	Mail Label No.	EU9213442	235US	<i>_</i>	eposition.
See MPEP (ION ELEMENTS ming utility patent application contents.	ADDRE	ESS TO:	Commission P.O. Box 14	itent Application for Patents 50 A 22313-1450		
2. Applic See 3: 3. Specif (prefen - Desci - Cross - State - Refer or a c - Back - Brief - Brief - Detail - Claim	it an original and a ant claims small 7 CFR 1.27. fication red arrangement suriptive title of the in s Reference to Relument Regarding Forence to sequence computer program ground of the Inver Summary of the In Description of the led Description	[Total Pages 18] set forth below) vention ated Applications ed sponsored R & D listing, a table, listing appendix ntion vention Drawings (if filed)	8. Nuc (if ap a. b.	Specificat i. CD- ii. Pap	ram (Appending Acid Scessary) Readable Foiling Sequence ROM or CDeer	dix) equence Sut corm (CRF) ee Listing on: R (2 copies)	omission	10/729716
4. Drawing(s) (35 U.S.C. 113) [Total Sheets 6] 5. Oath or Declaration [Total Sheets] a. Newly executed (original or copy) (unexecuted copy) b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. Application Data Sheet. See 37 CFR 1.76			9.					
18. If a CONTI	NUING APPLIC	ATION, check appropriate box, and sup or in an Application Data Sheet under 3	oply the requ	uisite information	n below and	in the first se	entence of the	
Continuation if For CONTINUAT 5b, Is considered	nuation information: FION OF DIVISION d a part of the dis		ation-in-part (ne prior appli n or division rtently omitte	CIP) of pri Art Un cation, from whice al application and def from the subm	it: h an oath or I is hereby in	declaration is	supplied under Box y reference.	
		13. CORRESPON	DENCE A	7 -				
LL Custon	ner Number:	<u> </u>		OR L	Corresp	ondence ad	dress below	
Name	Matthew T. Rog	gers, Esq.						
Address	McQuaide Blasko							
City	811 University Drive State College				16901			
Country	United States	17	State PA	814-238-4926		Zip Code Fax	16801 814-234-5620	
Name (Print/Ty				GE 0	ν/ΛσοςΔ I	<u> </u>	0 14-234-3020]
Signature	Pamera A.	Ruest, Esq.	- Negisiral	ion No. (Attorne	y/Ayerii) 4(0,795 Date De	cember 5, 2003	
This collection of	f information is rec	quired by 37 CFR 1.53(b). The information	is required to	obtain or retain a	benefit by th			1

USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTA	.	Complete if Known							
FEE IRANSIVIII IA	L	Application Number							
for FY 2004		Filing Date 5 Dec			5 Decei	ember 2003			
Effective 10/01/2003. Patent fees are subject to annual revision.		First Named Inventor Vijay Va			ıradan				
		Examiner Name							
Applicant claims small entity status. See 37 CFR 1.27		Art Unit							
TOTAL AMOUNT OF PAYMENT (\$) 1120.00		Attorney Docket No. 2002-2730			30				
METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)								
Check Credit card Money Other None	3. ADDITIONAL FEES								
Deposit Account:	Large Entity Small Entity								
Deposit 50 4740	Fee Code	Fee e (\$)	Fee Code	Fee (\$)		Fee D	escription	n	Fee Paid
Account Number 50-1740	1051		2051	65	Surcha	arge - late	filing fee or	oath	
Deposit Account McQuaide Blasko	1052	50	2052	25			provisional f	filing fee or	
Name The Director is authorized to: (check all that apply)	1053	130	1053	130		r sheet English specification			
Charge fee(s) indicated below Credit any overpayments	1812	2,520	1812 2	2,520	For filir	ling a request for ex parte reexamination			
Charge any additional fee(s) or any underpayment of fee(s)	1804	920*	1804	920*		esting publication of SIR prior to niner action			
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	1805	1,840*	1805	1,840*	Reque	uesting publication of SIR after			
FEE CALCULATION	1251	110	2251	55			ply within fire	st month	
1. BASIC FILING FEE	1252	420	2252	210	Exten	sion for re	ply within se	cond month	<u> </u>
Large Entity Small Entity	1253	950	2253	475	Exten	sion for re	ply within thi	ird month	
Fee Fee Fee Fee Paid Code (\$) Code (\$)	1254	_1,480	2254	740	Exten	sion for re	ply within fo	urth month	
1001 770 2001 385 Utility filing fee 385	1255	2,010	2255	1,005	Exten	sion for re	ply within fift	th month	<u> </u>
1002 340 2002 170 Design filing fee	1401	330	2401	165	Notice	of Appea	l		
1003 530 2003 265 Plant filing fee	1402		2402		_		support of ar	n appeal	<u> </u>
1004 770 2004 385 Reissue filing fee	1403		2403			est for oral	_		├ ──┤
1005 160 2005 80 Provisional filing fee	1451 1452	1,510 110	1451 2452				ite a public ι e - unavoidal	use proceeding	
SUBTOTAL (1) (\$) 385.00		1,330	2453				e - unintentio		
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE		1,330	2501				e - unimentic (or reissue)	onai	
Fee from Extra Claims below Fee Paid	1502		2502		-	n issue fee			
Total Claims 73 -20** = 53 X 9 = 477	1503	640	2503	320	Plant	nt issue fee			
Claims 9 - 3** = 0 x 45 = 1258	1460	130	1460	130	Petitio	ons to the	Commission	ner	
	1807	50	1807	50	Proce	ssing fee	under 37 CF	R 1.17(q)	
Large Entity Small Entity Fee Fee Fee Fee Fee Description	1806	180	1806					isclosure Stmt	
Code (\$)	8021	40	8021	40	proper	ding each rty (times i	patent assignumber of p	inment per roperties)	
1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in excess of 3	1809	770	2809		Filing	a submiss	ion after fina		
1203 290 2203 145 Multiple dependent claim, if not paid	1810	770	2810	385		FR 1.129(a ach additio	a)) onal inventio	n to be	
1204 86 2204 43 ** Reissue independent claims					exami	ined (37 C	FR 1.129(b)))	$\vdash \vdash \vdash \vdash \vdash \vdash$
over original patent 1205 18 2205 9 ** Reissue claims in excess of 20	180		2801					mination (RCE)	
and over original patent	1002	1802 900 1802 900 Request for expedited examination of a design application							
SUBTOTAL (2) (\$) 735.00		r fee (sp							
**or number previously paid, if greater; For Reissues, see above *Reduced by Basic Filing Fee P					ee Paic	s S	UBTOTAL	. (3) (\$) 0.00	
SUBMITTED BY (Complete (if applicable))									
Name (Print/Type) Partiela A. Ruest, Esq.		Registration No. 40,795 Telephone 814-238-4920			814-238-4926				
Signature PANULA V. M. 1. 19	1						Date	December 5,	2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Practitio	oner's Docket No.:	2002-2730		PATENT
	IN THE UNITED	STATES PATEN	T AND TRADEMARK	OFFICE
Serial No	December 5, 2003	DILED CARBON I	Group No.: Examiner: NANOTUBES BY MICF	ROWAVE CHEMICAI
	sioner for Patents ria, VA 22313-1450			
	E	XPRESS MAIL	CERTIFICATE	
"Express	Mail" label number: _	EU92134423	35US	
Date of I	Deposit:D	ecember 5, 2003		
I	hereby state that the fo	llowing attached p	aper or fee:	
	1 Fee Transmit	nwings		
service u	_	he date indicated a	ervice "Express Mail Pos above and is addressed to	
			Autumn Vanatta Typed or printed name of p Mutturn Signature of person mailing	Jaratta

NOTE: The label number need not be placed on each page. It should, however, be placed on the first page of each separate document, such as, a new application, amendment, assignment, and transmittal letter for a fee, along with the certificate of mailing by "Express Mail." Although the label number may be on checks, such a practice is n t required. In rder not t deface f rmal drawings, it is suggested that the label number be placed n the back f each f rmal drawing or the drawings be accompanied by a set f inf rmal drawings n which the label is placed.

(Express Mail Certificate [8-3])